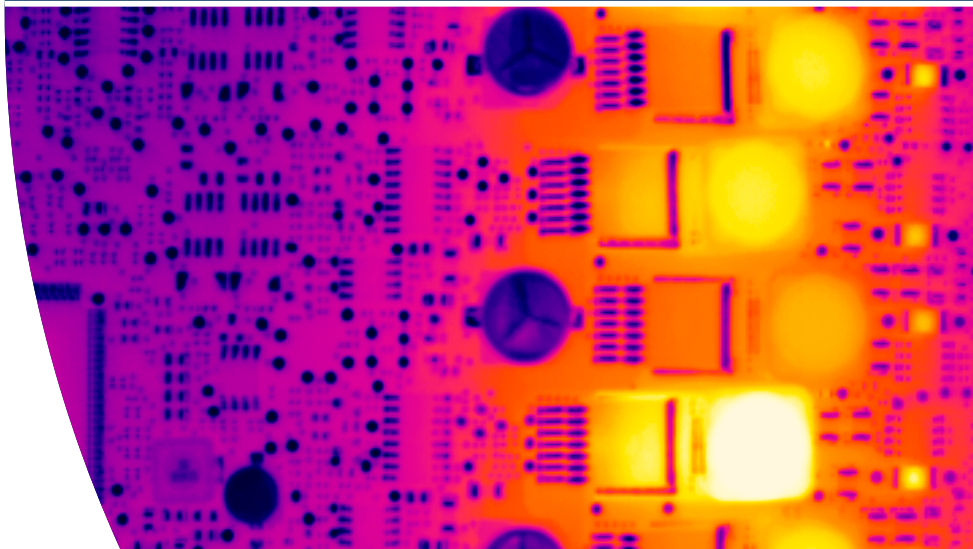


New

PI 640

The smallest measuring
VGA infrared camera worldwide

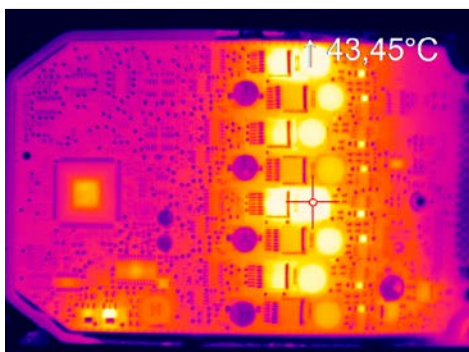
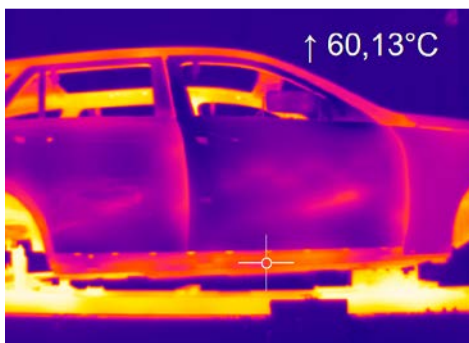
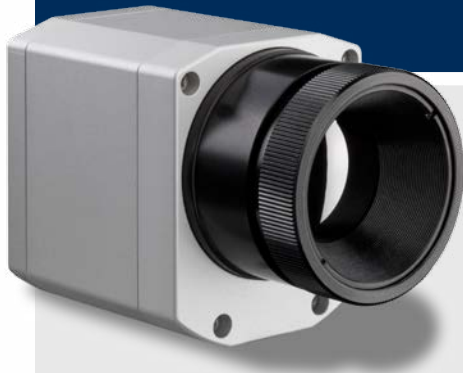
innovative infrared technology



Thermography in VGA resolution

Features:

- 640 x 480 pixel
- Radiometric video recording with 32 Hz
- Licence-free analysis software and complete SDK inclusive



Type	PI 640
Optical resolution	640 x 480 pixel
Detector	FPA, uncooled (17µm x 17µm)
Spectral range	7,5 – 13 µm
Temperature ranges	-20...100°C, 0...250°C, 150...900°C
Frame rate	32 Hz
Optic (FOV)	33° x 25°
Thermal sensitivity (NETD)	75 mK
Accuracy	±2°C or ±2%, whichever is greater
PC interface	USB 2.0
Process interface (PIF), standard	0-10V input, digital input (max. 24V), 0-10V output
Process interface (PIF), industrial	2x 0-10V inputs, digital input (max. 24V), 3x 0-10V outputs, 3x relay (0-30V/ 400mA), fail safe relay
Cable length (USB)	1m (standard), 5m, 10m 5m and 10m also as HT cable (180°C)
Ambient temperature	0...50°C
Storage temperature	-40...70°C
Relative humidity	20-80%, non condensing
Enclosure (size/ rating)	46mm x 56mm x 90mm/ IP 67 (NEMA 4)
Weight	320g, incl. lens
Shock ¹⁾	IEC 60068-2-27 (25g and 50g)
Vibration ¹⁾	IEC 60068-2-6 (sinus-shaped)/ IEC 60068-2-64 (broadband noise)
Tripod mount	1/4-20 UNC
Power supply	USB powered
Scope of supply	USB camera with 1 lens, USB cable (1m), Table tripod, PIF cable (1m) incl. terminal block, Software package optris PI Connect, Aluminium case

¹⁾ for more details see operators manual